

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A diversity receiver ~~having comprising~~ multiple antenna receiving branches, ~~wherein each branch has of~~ said multiple antenna receiving braches comprising estimating means for estimating at least a receiving channel parameter, ~~and wherein~~ a first estimating means in one branch of the multiple antenna receiving branches is directly coupled-operatively connected to a second estimating means in ~~an other~~ a further branch of the multiple antenna receiving braches for using at least a part of the channel parameter estimate in the one branch as an aid for estimating at least a receiving channel parameter in the ~~other~~ further branch.

2. (Currently Amended) The diversity receiver ~~according to as~~ claimed in claim 1, wherein the channel parameter estimate in the one branch is used as a starting point for the channel parameter estimate in the ~~other~~ further branch.

3. (Currently Amended) The diversity receiver ~~according to as~~ claimed in claim 1, wherein the channel parameter estimate in the one branch provides a coarse channel parameter estimate, and wherein said coarse channel parameter estimate is used as a start for the channel parameter estimate in the ~~other~~ further branch.

4. (Currently Amended) The diversity receiver ~~according to~~as claimed in claim 1, wherein the second estimating means in the ~~other-further branch~~ is ~~directly-coupled-operatively~~ connected to the first estimating means in said one branch for using at least a part of the channel parameter estimate in the ~~other-further branch~~ as an aid for estimating the receiving parameter channel in said one branch.

5. (Currently Amended) The diversity receiver ~~according to~~as claimed in claim 1, wherein the diversity receiver has two antenna receiving branches.

6. (Currently Amended) The diversity receiver ~~according to~~as claimed in claim 1, wherein the diversity receiver is arranged for estimating a time delay between the appearance of a certain channel parameter estimate in the various branches.

7. (Currently Amended) A mobile radio communication device provided with the diversity receiver ~~according to~~as claimed in claim 1.

8. (Currently Amended) A method for receiving a signal comprising the acts of:

receiving the signal through multiple antenna receiving branches;

in each branch, estimating parameters about a received channel to form channel estimation results;

~~directly~~ exchanging the channel estimation results between a first branch and a second branch; and

using first channel estimation results about a first received channel from the first branch as an aid for estimating parameters about a second received channel in the second branch and forming second channel estimation results.

9. (Currently Amended) Signals suited for applying the method ~~according to~~ as claimed in claim 8, wherein a signal is received through multiple antenna receiving branches, wherein in each branch an estimation is made about a received channel, and wherein channel estimation results from one branch of the multiple antenna receiving branches are being used as an aid for estimating the received channel in ~~an other~~ a further branch of the multiple antenna receiving branches.

10. (Currently Amended) The method of claim 8, wherein said method further ~~comprising~~ comprises the acts of:

estimating a delay value between a first channel parameter in the first branch and the first channel parameter in the second branch; and

synchronizing estimation in the branches by using the delay value.